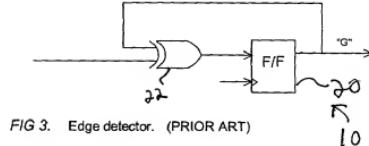
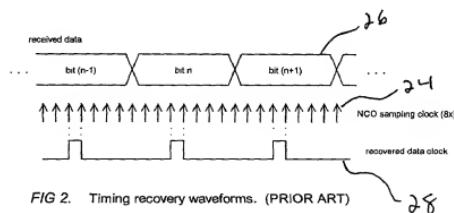


FIG 1. Timing recovery in a digital receiver. (PRIOR ART)



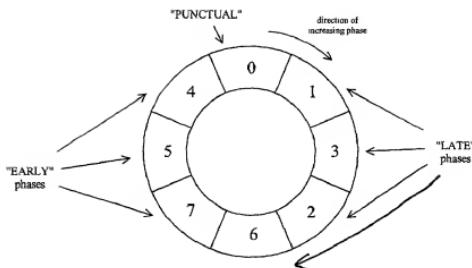


FIG 4. Nonlinear phase counter.

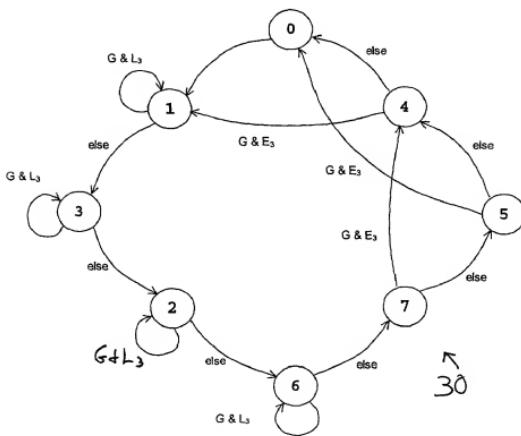


FIG 5. State machine "C", the phase counter.

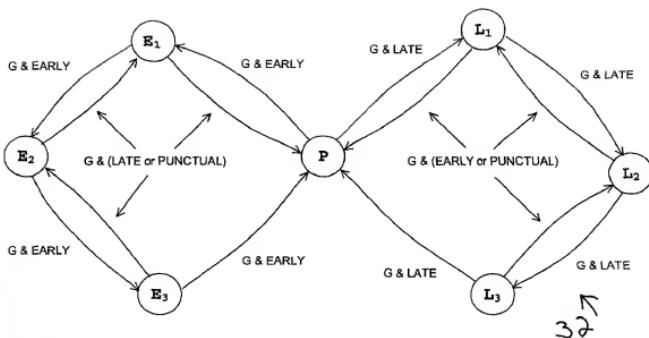
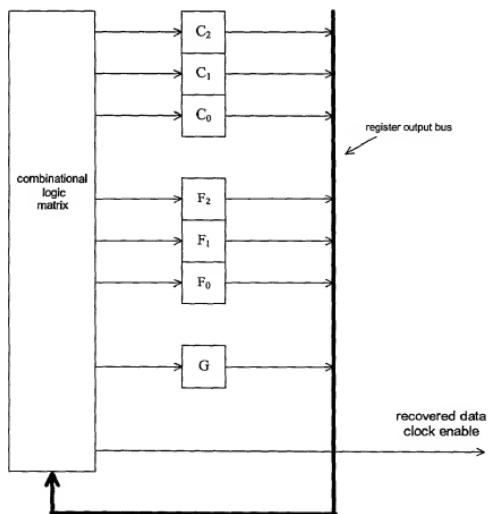


FIG 6. State machine "F", the loop counter.

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FIG 7. Logic circuit implementation of simplified timing recovery circuit.